

Amendments to the Specification:

Please add the following paragraph at the beginning of the present application:

STATEMENT REGARDING SEQUENCE LISTING

The Sequence Listing associated with this application is provided in text format in lieu of a paper copy, and is hereby incorporated by reference into the specification. The name of the text file containing the Sequence Listing is 63096_401USPC_SEQUENCE_LISTING.txt. The text file is 52 KB, was created on February 9, 2011, and is being submitted electronically via EFS-Web.

Please replace the first full paragraph on page 4 with the following redlined paragraph:

On the other hand, a number of modifications have already been described in the protein sequence of DNA polymerases I. Thus, U.S. Patent No. 6,329,178 mentions DNA polymerase mutants with altered catalytic activity in which there were mutations in the A motif (the highly conserved sequence DYSQIELR (SEQ ID NO:38)). In addition, Minnick, T. et al., J. Biol. Chem. 274, 3067–3075 (1999), describe a wide variety of *E. coli* DNA polymerase I (Klenow fragment) mutants in which alanine exchanges have been performed. Part of the mutants described exhibit a higher polymerase accuracy as compared to the wild type. One of the mutants mentioned is H881A; particular properties of these mutants with respect to the other mutants described are not stated.

Please replace the paragraph bridging pages 9 and 10 with the following redlined paragraph:

The following definitions are to be applied to the whole application, they are however not to be construed as limiting the invention. "Family A DNA polymerases" (also referred to as "polymerases I") are those DNA-polymerizing enzymes which contain the A motif with the sequence DYSQIELR (SEQ ID NO:38) in their active site. They also include the

enzymes described herein which have mutations in the C motif. In particular, they also include thermostable DNA polymerases and their mutants.

Please replace the six paragraph on page 14 with the following redline paragraph:

A "DNA polymerase according to the invention" is a family A DNA polymerase as defined above which includes the A motif with the sequence DYSQIELR (SEQ ID NO:38) in its active site and comprises particular mutations in the C motif. In particular, they also include thermostable DNA polymerases with mutations in the C motif. These mutations are conservative substitutions of the QVH amino acid residues of the C motif and/or the above defined non-conservative substitutions.

Please delete the section of the application entitled "Sequence Listing" immediately after the Abstract on page 30.